Index of Claims



Application/Control No.

09/964,484 Examiner

Alexander O. Williams

Applicant(s)/Patent under Reexamination

ISHIDA ET AL.

Art Unit

2826

| √  | Rejected |
|----|----------|
| 11 | Allowed  |

- (Through numeral)
Cancelled
+ Restricted

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
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| o | Objected |

| Cla           | laim Date |                 |          | ]:::     | CI                | aim  | Date            |                                     |          |  |        | CI       | aim      | Date           |           |                  |              |  |                 |      |          |            |                 |          |   |         |         |           |          |                |
|---------------|-----------|-----------------|----------|----------|-------------------|--|-----------------|-------------------------------------|----------|--|--------|----------|----------|----------------|-----------|------------------|--------------|--|-----------------|------|----------|------------|-----------------|----------|---|---------|---------|-----------|----------|----------------|
|               | al        | 36              |          |          |                   |  |                 |                                     |          |  |        |          | a        |                |           | T                |              |  |                 |      |          |            |                 |          | T   | T       | T       |           | Τ        | П              |
| Final         | Original  | 11/12/06        |          |          |                   |  |                 | Ì                                   |          | 1  |        | Final    | Original |                |           |                  | ı            |  |                 |      | Final    | Original   |                 |          | -   |         |         |           |          |                |
| ш.            | Ö         | 11/             |          |          | l                 |  | İ               |                                     | 1        |  |        | u.       | ğ        |                |           |                  |              |  |                 |      | ц.       | ō          |                 |          |   |         |         |           |          |                |
| 1             | 1         | =               |          |          | <u> </u>          | $\vdash$   | ⊢               | $\vdash$                            | +-       | ╀╌   | -      |          | L        | $\vdash$       | +         | -+               | +            |  |                 |      |          |            | $\vdash$        | $\dashv$ | 4   | +       | +       | $\bot$    | ┼        | $\vdash$       |
| 2             | 2         | =               | -        |          | ┢                 | ╁  | $\vdash$        | $\vdash$                            | ╀╌       | ╁╾   | -      |          | 51<br>52 | ┝╌┢╴           | +         |                  | +            |  | -               |      |          | 101<br>102 | $\vdash \vdash$ | +        | +   | +       | +       | +         | +        | $\vdash$       |
| 3             | 3         | =               | -        |          | ┢┈                | ├-   | -               | ┢                                   | +        | +  | 133    |          | 53       | $\vdash\vdash$ | +         | +                | +            | +  | $\dashv$        |      |          | 102        | $\vdash$        | +        | +   | +       | +       | +         | ╂        | H              |
| 4             | 4         | =               | -        | _        | <u> </u>          | <del>                                     </del> | -               | H                                   | ╁        | ╁╌   | -      |          | 54       | $\vdash$       | +         | +                | +            | +-1  | +               | 1::  |          | 103        | -               | +        | +   | +       | +       | +         | ╁        | ++             |
| Ť             | 5         | Н               | $\dashv$ | _        |                   | +-   | H               |                                     | t        | +  | 1      | <u> </u> | 55       |                | + 1       | <del>-  </del> - | +            |  | +               |      | _        | 105        | Н               | +        | +   | +       | ╫       | +         | +-       | H              |
|               | 6         | П               |          |          |                   | $\vdash$   |                 |                                     | t        | $\top$   | 1::    |          | 56       |                | 1 1       | 十                | +            |  |                 |      |          | 106        | H               | +        | +   | +       | ╅       | +         | +        | Н              |
|               | 7         | П               |          |          | Т                 | Т  | П               |                                     |          | t  | 1      |          | 57       |                | $\Box$    |                  | +            | _  |                 |      |          | 107        | H               | $\dashv$ | $\top$  | +       | +       | ╅         | +        | Ħ              |
|               | 8         | П               |          |          |                   | Π  | П               |                                     |          |  | 1:::   |          | 58       |                | $\Box$    |                  | T            |  |                 |      |          | 108        | Ħ               | 7        | 十   | $\top$  | ╅       | ╈         | $\top$   | Ħ              |
|               | 9         |                 | 1        |          |                   |  |                 | Г                                   |          | Т  | ]:::   |          | 59       |                | $\sqcap$  |                  |              |  |                 |      |          | 109        | П               | T        | 7   | $\top$  | $\top$  | +         | $\top$   | H              |
|               | 10        |                 |          |          |                   |  |                 |                                     |          |  |        |          | 60       |                |           | T                |              |  |                 |      |          | 110        |                 |          | T   | $\top$  |         |           |          | П              |
|               | 11        | Ш               |          |          | L                 | L  |                 |                                     |          | _  |        |          | 61       |                |           | $\perp$          |              |  |                 |      | •        | 111        |                 |          |   | Т       | Т       |           |          | П              |
| <u> </u>      | 12        | Ш               |          |          | $ldsymbol{f eta}$ | L  | Ш               | <u> </u>                            | $\perp$  | $\perp$  | 1      | ļ        | 62       |                | $\sqcup$  |                  |              | $oldsymbol{oldsymbol{oldsymbol{\square}}}$ |                 |      |          | 112        |                 |          | $oldsymbol{ol}}}}}}}}}}}}}} $ |         | $\perp$ |           |          |                |
|               | 13        | $\sqcup$        |          |          | <u> </u>          | _  | Ш               | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $\perp$  | _  |        | <u> </u> | 63       |                | $\sqcup$  |                  | $\perp$      | $\bot \bot$                                |                 |      |          | 113        |                 |          | $\perp$   | $\perp$ | $\Box$  | Ţ         | 匚        | Ш              |
| igwdow        | 14        | Ш               | _        |          | <u> </u>          | $oxed{oldsymbol{oldsymbol{eta}}}$                | Ш               | <u> </u>                            | ┞        | $\perp$  |        | ļ        | 64       |                | $\sqcup$  | $\perp$          | 1            | $\perp$                                    |                 |      |          | 114        | $\Box$          | $\perp$  | $\perp$   | $\perp$ |         | _         | $\perp$  | Ш              |
| <del> </del>  | 15        | $\vdash \vdash$ | _        |          | <u> </u>          | ├-   | $\vdash$        | <u> </u>                            | ├-       | +  |        |          | 65       | $\perp$        | 1-1       |                  | +            | $\dashv$                                   |                 |      |          | 115        | $\sqcup$        | $\perp$  |   | $\perp$ | $\perp$ | $\bot$    |          | Ш              |
| $\vdash$      | 16        | $\vdash$        |          | _        | _                 | -  | Н               | -                                   | ⊢        | -  |        |          | 66       |                | $\vdash$  |                  | +            |  |                 |      |          | 116        | _               | $\perp$  | +   | _       | 4       | $\bot$    | igspace  | Н              |
| <u> </u>      | 17<br>18  | $\vdash \vdash$ | $\dashv$ |          | <del> </del>      | ├-   | Н               | ⊢                                   | $\vdash$ | ╀  |        |          | 67       |                | +         | +                | +            |  | -               |      |          | 117        |                 | +        | +   | 4       | +       | +         | ₩        | Ш              |
| <u> </u>      | 19        | $\vdash$        | $\dashv$ |          |                   | ⊢  | Н               |                                     | ╁        | +  |        |          | 68<br>69 |                | +         | +                | +            | +  |                 |      |          | 118        | $\dashv$        | -        | +   | +       | +       | +-        | ╀        | Н              |
|               | 20        | $\vdash \vdash$ | -        |          | $\vdash$          | ╁╌   | Н               | ┢                                   | ╁        | +-   |        |          | 70       | -              | ┨         | +                | ╁            | +  |                 |      |          | 119<br>120 |                 | -        | +   | +-      | +       | +         | ┼        | $\vdash$       |
|               | 21        | H               | $\dashv$ | _        | ┢╌                | $\vdash$   | Н               |                                     |          | ╁  |        |          | 71       | +              | +         | $\dashv$         | +            | +  |                 |      |          | 121        | -               | +        | ╁   | ┿       | ┿       | ╁         | ₩        | $\vdash$       |
|               | 22        | $\vdash$        | $\dashv$ |          | ┢─                | $\vdash$   | -               |                                     | $\vdash$ | ╁╌   |        |          | 72       |                | +         | +                | +            | +  |                 |      |          | 122        |                 | +        | +   | +       | +       | +         | ╁        | Н              |
|               | 23        |                 | - 1      |          | $\vdash$          | -  | H               |                                     |          | $\vdash$   | 1:::   | -        | 73       | _              | 1 1       |                  | ╈            | + +  |                 |      | -        | 123        | $\dashv$        | +        | +   | +       | ╁       | +         | ╆        | Н              |
|               | 24        | $\Box$          | _        |          |                   |  | Н               |                                     | t        |  |        |          | 74       |                | 1 1       | $\top$           | ╁            | 1  | $\dashv$        |      |          | 124        | $\dashv$        | $\dashv$ | ╈   | +       | +       | +         | $\vdash$ | $\vdash$       |
|               | 25        | $\Box$          | 7        |          |                   |  | П               |                                     | T        | $\vdash$   | 1 :: 1 |          | 75       | $\neg$         |           | .                | $\top$       | $\top$                                     |                 |      |          | 125        | $\dashv$        | $\dashv$ | ╅   | +       | +-      | +         | $\vdash$ | H              |
|               | 26        |                 |          |          |                   |  | П               |                                     | Г        | $\vdash$   |        |          | 76       |                |           |                  | 十            |  |                 |      | $\neg$   | 126        | $\dashv$        | $\top$   | $\top$  | +       | +       | T         | ⇈        | Н              |
|               | 27        |                 |          |          |                   |  |                 |                                     |          |  |        |          | 77       |                |           |                  |              |  |                 |      |          | 127        | $\exists$       | 十        | T   | 十       | Ť       | 1         | $\Box$   | П              |
|               | 28        |                 |          |          |                   |  |                 |                                     |          | Γ  | ]::::  |          | 78       |                |           |                  |              |  |                 |      |          | 128        |                 |          | $\top$  | 1       |         |           | П        |                |
|               | 29        |                 |          |          |                   |  |                 |                                     |          |  | ] :    |          | 79       |                |           |                  |              |  |                 |      |          | 129        |                 |          |   | 1       | Т       |           |          | П              |
|               | 30        | Ц               | _        |          |                   |  | Щ               |                                     | <u> </u> | <u> </u>   |        |          | 80       |                | Ш         | $\perp$          | 丄            |  |                 |      |          | 130        |                 |          | $\perp$   |         | L       |           |          |                |
|               | 31        | $\Box$          | 4        |          |                   |  | Щ               |                                     | _        | <u> </u>   |        |          | 81       | _ _            | $\sqcup$  | $\perp$          | _            | -  |                 |      |          | 131        |                 |          |   | $\perp$ | $\perp$ |           |          |                |
|               | 32        | $\dashv$        |          | _        |                   | _  | Ш               |                                     | ┞        | <u> </u>   |        |          | 82       |                | $\vdash$  | +                | 4            |  |                 |      |          | 132        |                 | $\perp$  | $\perp$   | _       | $\perp$ | $\bot$    | Ш        | Ш              |
|               | 33        | $\vdash$        | $\dashv$ | _        |                   | _  | Н               |                                     | ⊢        | Ͱ  |        |          | 83       |                |           | +                | ╀            | +  | $\perp$         |      |          | 133        | _               | $\perp$  | $\bot$  | $\perp$ | $\bot$  | ↓_        | Ш        | Ш              |
| <del>  </del> | 34<br>35  | $\vdash \vdash$ | $\dashv$ |          | -                 |  | $\vdash \vdash$ |                                     | $\vdash$ | $\vdash$   |        |          | 84       | +              | ╁╌┼       | +                | +            | ++   | _               |      |          | 134        | $\dashv$        | +        | +   | +       | +       | +         | $\vdash$ | Ш              |
|               | 36        | $\vdash \vdash$ | $\dashv$ | -        | -                 | -  | ⊢┤              | -                                   | $\vdash$ | $\vdash$   |        |          | 85<br>86 | +              | +         | +                | +            | +  | $\dashv$        |      |          | 135        | $\dashv$        | +        | +   | +       | +       | +         | $\vdash$ | $\vdash$       |
|               | 37        | $\vdash$        |          | -        |                   |  | $\vdash \vdash$ | -                                   | ├        | +-   |        |          | 87       | +              | $\vdash$  | +                | ╁            | ++   | $\dashv$        |      |          | 136<br>137 | -+              | +        | ╁   | ╁       | +       | +         | $\vdash$ | $\vdash\vdash$ |
|               | 38        | $\vdash$        |          | $\dashv$ | $\vdash$          | $\vdash$   | $\vdash$        | -                                   | $\vdash$ | ╁╾   |        |          | 88       |                | +         | +                | +-           | -  | $\dashv \dashv$ |      | $\dashv$ | 137        | +               | ╬        | +   | +       | ╁       | +-        | $\vdash$ | $\vdash$       |
|               | 39        | $\vdash$        | $\dashv$ | -        | -                 |  | $\vdash$        | Н                                   | t        | <del>                                     </del> |        |          | 89       |                | ++        | +                | +            | +-+  | $\dashv$        |      |          | 139        | $\dashv$        | +        | +   | +       | +       | +-        | $\vdash$ | $\dashv$       |
|               | 40        | $\exists$       | $\dashv$ |          | _                 |  | $\vdash$        |                                     | $\vdash$ | T  |        |          | 90       | +              | +         | $\dashv$         | +            | 17   | +               |      |          | 140        | $\dashv$        | +        | +   | +       | +       | ╁┈        | $\vdash$ | $\dashv$       |
|               | 41        | $\vdash$        | 7        |          |                   | Ι-   | $\vdash$        | $\vdash$                            | Г        | t  |        |          | 91       | $\top$         | $\vdash$  | $\dashv$         | +            | +-+  | $\dashv \dashv$ |      | -        | 141        | $\dashv$        | +        | +   | +       | +-      | +-        | $\vdash$ | $\dashv$       |
|               | 42        |                 | $\dashv$ |          |                   |  |                 |                                     |          |  |        |          | 92       | $\top$         |           | +                | $\top$       | +  | $\dashv \dashv$ |      | _        | 142        | $\dashv$        | +        | +   | +       | +       | +         | $\vdash$ | $\dashv$       |
|               | 43        |                 |          |          |                   |  |                 |                                     |          |  |        |          | 93       | $\neg \vdash$  | $\sqcap$  | $\top$           | 1            | 1  |                 |      |          | 143        | $\dashv$        | +        | $\top$  | $\top$  | $\top$  | $\dagger$ | М        | $\square$      |
|               | 44        |                 |          |          |                   |  |                 |                                     |          |  |        |          | 94       |                |           |                  |              |  | $\dashv \dashv$ |      |          | 144        | $\dashv$        |          | $\top$  | 1       | $\top$  | 1         | $\vdash$ | $\Box$         |
|               | 45        |                 |          |          |                   |  |                 |                                     |          |  |        |          | 95       |                |           |                  |              | $\Box$                                     |                 |      |          | 145        | $\dashv$        | $\top$   | $\top$  | $\top$  | Τ       | 1         | П        | $\neg$         |
|               | 46        |                 | $\Box$   |          |                   |  | $\Box$          |                                     |          |  | ::[    |          | 96       | $\Box \Box$    |           |                  | $oxed{\Box}$ |  |                 | [    |          | 146        |                 | ⋾        |   |         | $\top$  |           |          |                |
|               | 47        |                 | [        |          |                   |  |                 |                                     | Ĺ        |  |        |          | 97       |                | $\Box$    |                  | $\perp$      |  |                 | [    |          | 147        |                 |          | Ι   |         |         | $L^{-}$   |          |                |
|               | 48        |                 | _        |          |                   | Щ  |                 |                                     |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |        |          | 98       |                |           |                  | $\perp$      | $\perp \Box$                               |                 | :::[ |          | 148        |                 |          |   | I       |         |           |          |                |
|               | 49        |                 | [        |          |                   | Щ  |                 |                                     | <u> </u> | L  |        |          | 99       |                | $\coprod$ | $\perp$          |              | $\perp$                                    |                 |      |          | 149        | $\Box$          |          |   |         |         |           |          |                |
|               | 50        |                 | _1       |          |                   |  | _               |                                     | L        | L_   | J∷:[   |          | 100      |                | Ш         | $_{L}$           | 1_           |  |                 | ::[  |          | 150        |                 |          |   |         |         |           |          |                |